

s/n: 10/779,392  
date: 6/18/06

2230 (359/822,823,824).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:13
17254 @ad>="20051201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:13
951894 @pd>="20051201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:13
952095 2 or 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:13
60 1 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:13
1 ("6631035").PN. OR ("6982841").URPN. (((lens or optic\$3) and (deform or deformable or deformation or deform\$4)) and (actuator or piezoelectric or transducer) and 12 alternate).clm.	US-PGPUB; USPAT; USOCR	6/18/06 20:15
4452 ((359/819,822,823,824) or (369/44.14,44.15)).CCLS. BECK-KLAUS\$9.in. or GELLRICH-BERNHARD\$9.in. or HOLDERER- HUBERT\$9.in. or PETASCH-THOMAS\$9.in. or ROESCH- 82 CORNELIA\$9.in. or KOHL-ALEXANDER\$9.in.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:27 6/18/06 20:28
76 L10 and lens	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
39 L11 and actuator	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
202 lens same actuator same (seat feet finger) 4 ("6552862").URPN.	US-PGPUB; USPAT; IBM_TDB USPAT	6/18/06 20:28 6/18/06 20:28
2512 lens same actuator same (seat feet finger point)	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
188 L9 and L19 0 ("6539174").URPN. 4 ("6556364").URPN. lens same actuator same (seat feet finger point lever) same 44 circumfer\$9	US-PGPUB; USPAT; IBM_TDB USPAT USPAT US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
38 lens same actuator same (seat feet finger point) same circumfer\$9	US-PGPUB; USPAT; IBM_TDB US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28 6/18/06 20:28
3621 (359/819,822,823,824).CCLS. 2 ("2001/0038500").URPN.	USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28
2635 lens with (optical adj2 axis) with actuator 0 ("6859337").URPN. 0 ("6594093").URPN.	USPAT USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
1668 (250/234).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28
4452 ((359/819,822,823,824) or (369/44.14,44.15)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28

0 L85 and lithography	US-PGPUB; USPAT; USOCR	6/18/06 20:28
0 lens same actuator same alternat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
300 lens same actuator same alternate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
1651 ben-loha\$9.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
568 schwartz-jordan\$9.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
838 mai-huy\$9.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
279 lester-evelyn\$9.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
1969 sugarman-scott\$9.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
7E+06 @ad>="20010101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29
345 L95 and L100 ((lens or optic\$3) with (deform or deformable or deformation or		
4868 deform\$4)) and (actuator or piezoelectric or transducer)	US-PGPUB; USPAT; USOCR	6/18/06 20:29
((lens or optic\$3) and (deform or deformable or deformation or		
deform\$4)) and (actuator or piezoelectric or transducer) and		
55 alternat\$4).clm.	US-PGPUB; USPAT; USOCR	6/18/06 20:29
1 ("5870634").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
1 ("6556364").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28
1 ("6816325").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28
1 L85 and microlithography	US-PGPUB; USPAT; USOCR	6/18/06 20:28
1 ("5669127").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:29
4 (("4993823") or ("6552862") or ("6580570") or ("6307688")).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	6/18/06 20:28
33 L12 and mount\$5	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
49 L10 not L13	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
9 L15 and L9	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
13 ("4778252").URPN.	USPAT	6/18/06 20:28
38 lens same actuator same (seat feet finger point) same circumfer\$9	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
4 ("5870634").URPN.	USPAT	6/18/06 20:28
2 ("6397008").URPN.	USPAT	6/18/06 20:28

8 ("20010004420"   "5153633"   "5444512"   "5592251"   "5671448"   "5768016"   "5842053"   "5870634").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
4 ("5592251").URPN.	USPAT	6/18/06 20:28
7 ("4996545"   "5012347"   "5084724"   "5153633"   "5181056"   "5266988"   "5416558").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
7 ("3989358"   "4442524"   "4534621"   "5353167"   "5376988"   "5986827"   "6005723").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
6 L33 not L34	US-PGPUB; USPAT; IBM_TDB	6/18/06 20:28
2 ("4993823").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
8 ("4155631"   "4226507"   "4492431"   "4993823"   "5053794"   "5457577"   "5822133"   "5986827").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
11 ("6307688").URPN.	USPAT	6/18/06 20:28
5 ("20020001142"   "20020021504"   "3917385"   "6275344"   "6307688").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
2 ("6580570").URPN.	USPAT	6/18/06 20:28
10 ("20020001142"   "20020021504"   "3917385"   "5428482"   "5537262"   "6144511"   "6275344"   "6307688"   "6580570"   "6603615").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
8 ("6388823").URPN.	USPAT	6/18/06 20:28
8 ("4155631"   "4226507"   "4492431"   "4993823"   "5053794"   "5457577"   "5822133"   "5986827").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
8 ("6229657").URPN.	USPAT	6/18/06 20:28
2 ("6366413").URPN.	USPAT	6/18/06 20:28
5 ("6198579"   "6239924"   "6366413"   "6400516"   "6445515").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
11 lens with (optical adj2 axis) with actuator with circumference	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
8 ("6229657").URPN.	USPAT	6/18/06 20:28
11 ("3989358"   "4442524"   "4534621"   "5353167"   "5376988"   "5986827"   "6005723"   "6220561"   "6229657"   "6259571"   "6388823").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
29 ("5376988"   "5986827").URPN.	USPAT	6/18/06 20:28
6 ("3917385"   "3989358"   "4298248"   "5353167"   "5986827"   "6191898").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
8 ("6388823").URPN.	USPAT	6/18/06 20:28
8 ("4155631"   "4226507"   "4492431"   "4993823"   "5053794"   "5457577"   "5822133"   "5986827").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
22 ("5986827").URPN.	USPAT	6/18/06 20:28
7 ("20030162484"   "4681408"   "4726671"   "5249082"   "5986827"   "6392825"   "6400516").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
2 ("5428482").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
24 ("5428482").URPN.	USPAT	6/18/06 20:28
17 ("6239924").URPN.	USPAT	6/18/06 20:28
5 ("6198579"   "6239924"   "6366413"   "6400516"   "6445515").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
4 ("6198579").URPN.	USPAT	6/18/06 20:28
3 ("6369959").URPN.	USPAT	6/18/06 20:28
6 ("5299066"   "5570238"   "6166868"   "6188841"   "6198579"   "6229657").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
4 ("4236790"   "5210650"   "5283695"   "5313333").PN.	US-PGPUB; USPAT; USOCR	6/18/06 20:28
17 ("6239924").URPN.	USPAT	6/18/06 20:28

7 ("2937571"   "3601343"   "4726671"   "4733945"   "4929054"   "5428482").PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB USPAT	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
2 ("4993823").PN.		
11 ("4993823").URPN.		
("20010008440"   "20010012154"   "20010023042"   "20010038497"   "20010053489"   "20020126380"   "20030086171"   "4993823"   "5184176"   "5805273"   "6084708"   "6191880"   "6201634"   "6248486"   "6252712"   "6285512"   "6307688"   "6366404"   "6646718").PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
8 (("4226507") or ("4492431") or ("4155631") or ("5557469")).PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
4 (("6307688") or ("6275344") or ("6259571") or ("6271976")).PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
2 (("6552862") or ("6580570")).PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
3 ("6366413"   "6369959"   "6392825").PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
92 L89 and lithography	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
31 lens with actuator with alternate	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
2 ("4993823").PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
13 ("4875764"   "4875765").PN. OR ("4993823").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:29
47 L94 and L101		
("1269422"   "3598479"   "4383175"   "4444471"   "4514048"   "4712882"   "4783155"   "4783233"   "4784479"   "4802746"   "4859041"   "4913536"   "5484096").PN. OR ("5731909").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29 6/18/06 20:29 6/18/06 20:29 6/18/06 20:29
2 ("5731909").PN. OR ("6721104").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29 6/18/06 20:29 6/18/06 20:29 6/18/06 20:29
("4202605"   "5026977"   "5428482"   "5719846"   "5986795"   "6411426"   "6496466"   "6566627"   "6585379").PN. OR		
9 ("6844994").URPN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29 6/18/06 20:29 6/18/06 20:29 6/18/06 20:29
("4203654"   "4660941"   "4705365"   "4708420"   "4917484"   "5172261"   "5828690"   "6188502").PN. OR ("6411426").URPN.		
((("lens or optic\$3) and (deform or deformable or deformation or deform\$4)) and (actuator or piezoelectric or transducer) and	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29 6/18/06 20:29 6/18/06 20:29 6/18/06 20:29
12 alternate).clm.		
43 L110 not L109	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:29 6/18/06 20:29 6/18/06 20:29 6/18/06 20:29
8 (("4226507") or ("4492431") or ("4155631") or ("5805273")).PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
2 ("5805273").PN.	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28
179 L20 not L16	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28 6/18/06 20:28 6/18/06 20:28 6/18/06 20:28

162 martinez-joseph\$9.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
200 L46 not (objective adj lens) not zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
196 L74 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 20:28
105 L107 and L94	US-PGPUB; USPAT; USOCR US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	6/18/06 20:29
256 L52 and L76	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	6/18/06 20:28
564 L45 and actuator	IBM_TDB US-PGPUB; USPAT; USOCR;	6/18/06 20:28
2230 (359/822-824).CCLS.	IBM_TDB	6/18/06 20:29
26 ("20040105177" "20050002011" "6191898" "6229657" "6259571" "6307688" "6388823" "6392825" "6445516" "6552862" "6580570" "6816325" "6867848").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/18/06 22:50

## Interference Search History

s/n: 10/779,392  
date: 6/18/06

(((lens or optic\$3) and (deform or deformable or deformation or  
deform\$4)) and (actuator or piezoelectric or transducer) and  
12 alternate).clm.

US-PGPUB; USPAT

6/18/06 20:27